

Title (en)
INSULATING COMPOSITION, INSULATING ARTICLE, PREPARATION METHOD AND ELECTRICAL CABLE ACCESSORY THEREOF

Title (de)
ISOLIERENDE ZUSAMMENSETZUNG, ISOLIERENDER ARTIKEL, HERSTELLUNGSVERFAHREN UND STROMKABELZUBEHÖR DARAUS

Title (fr)
COMPOSITION ISOLANTE, ARTICLE ISOLANT, PROCÉDÉ DE PRÉPARATION ET ACCESSOIRE DE CÂBLE ÉLECTRIQUE

Publication
EP 2951838 A4 20160907 (EN)

Application
EP 13873815 A 20130204

Priority
CN 2013071337 W 20130204

Abstract (en)
[origin: WO2014117404A1] An insulating composition comprises: about 70-100 parts by volume of a polymeric material, about 5-30 parts by volume of a ceramic filler (2) which is surface-treated by a bifunctional coupling agent in an amount of about 0.1wt% to about 4wt% of the ceramic filler; about 0.1-5 parts by volume of a crosslinking agent; about 0-6 parts by volume of conductive powder (3); and about 0-6 parts by volume of ZnO whisker (4). A preparation method for making the insulating composition, an insulating article such as an electrical cable accessory, and a use thereof are provided.

IPC 8 full level
H01B 3/28 (2006.01); **H01B 3/46** (2006.01); **H01R 43/00** (2006.01); **H02G 1/14** (2006.01); **H02G 15/068** (2006.01); **H02G 15/18** (2006.01)

CPC (source: EP RU US)
C08K 3/04 (2013.01 - EP US); **C08K 3/041** (2017.04 - US); **C08K 3/22** (2013.01 - EP US); **C08K 5/14** (2013.01 - EP US); **C08K 7/08** (2013.01 - EP US); **C08K 9/06** (2013.01 - EP US); **C08K 13/02** (2013.01 - US); **F16L 3/08** (2013.01 - US); **F16L 59/00** (2013.01 - US); **H01B 3/28** (2013.01 - EP US); **H01B 3/46** (2013.01 - EP US); **H02G 1/14** (2013.01 - EP US); **H02G 15/064** (2013.01 - EP US); **C08K 2003/2237** (2013.01 - EP US); **H01B 3/28** (2013.01 - RU); **H01R 11/11** (2013.01 - EP US)

Citation (search report)

- [X] US 4363842 A 19821214 - NELSON PAUL N
- [XA] WO 2005102724 A1 20051103 - 3M INNOVATIVE PROPERTIES CO [US]
- [XA] WO 2010045217 A1 20100422 - WORLD PROPERTIES INC [US], et al
- [I] DATABASE WPI Week 200975, Derwent World Patents Index; AN 2009-Q21818, XP002760419
- See references of WO 2014117404A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014117404 A1 20140807; BR 112015018537 A2 20170718; CA 2899530 A1 20140807; CN 104956448 A 20150930; EP 2951838 A1 20151209; EP 2951838 A4 20160907; JP 2016511917 A 20160421; JP 6109342 B2 20170405; KR 20150114953 A 20151013; MX 2015009805 A 20151029; RU 2015132471 A 20170310; RU 2628332 C2 20170816; TW 201439173 A 20141016; US 10121567 B2 20181106; US 2016012937 A1 20160114

DOCDB simple family (application)
CN 2013071337 W 20130204; BR 112015018537 A 20130204; CA 2899530 A 20130204; CN 201380071605 A 20130204; EP 13873815 A 20130204; JP 2015555525 A 20130204; KR 20157020769 A 20130204; MX 2015009805 A 20130204; RU 2015132471 A 20130204; TW 103103856 A 20140205; US 201314763537 A 20130204